

FIGURE 1

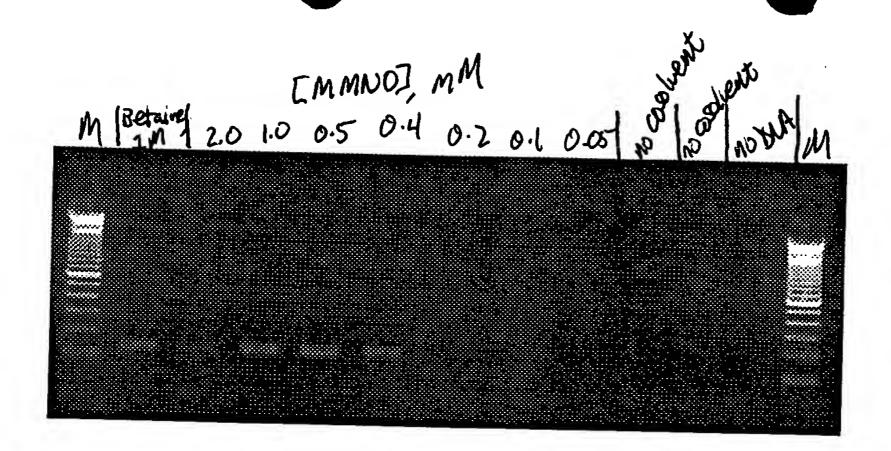


FIGURE 2

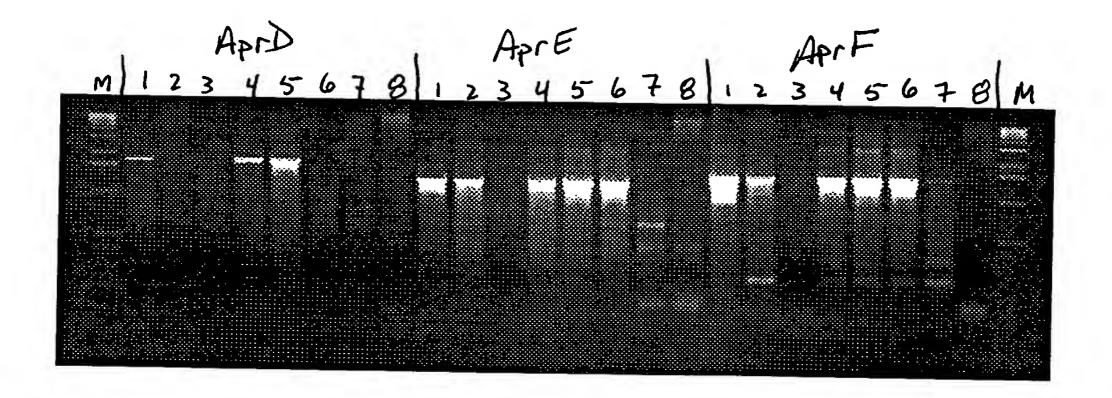


FIGURE 3

Amplification of p53 exon 10

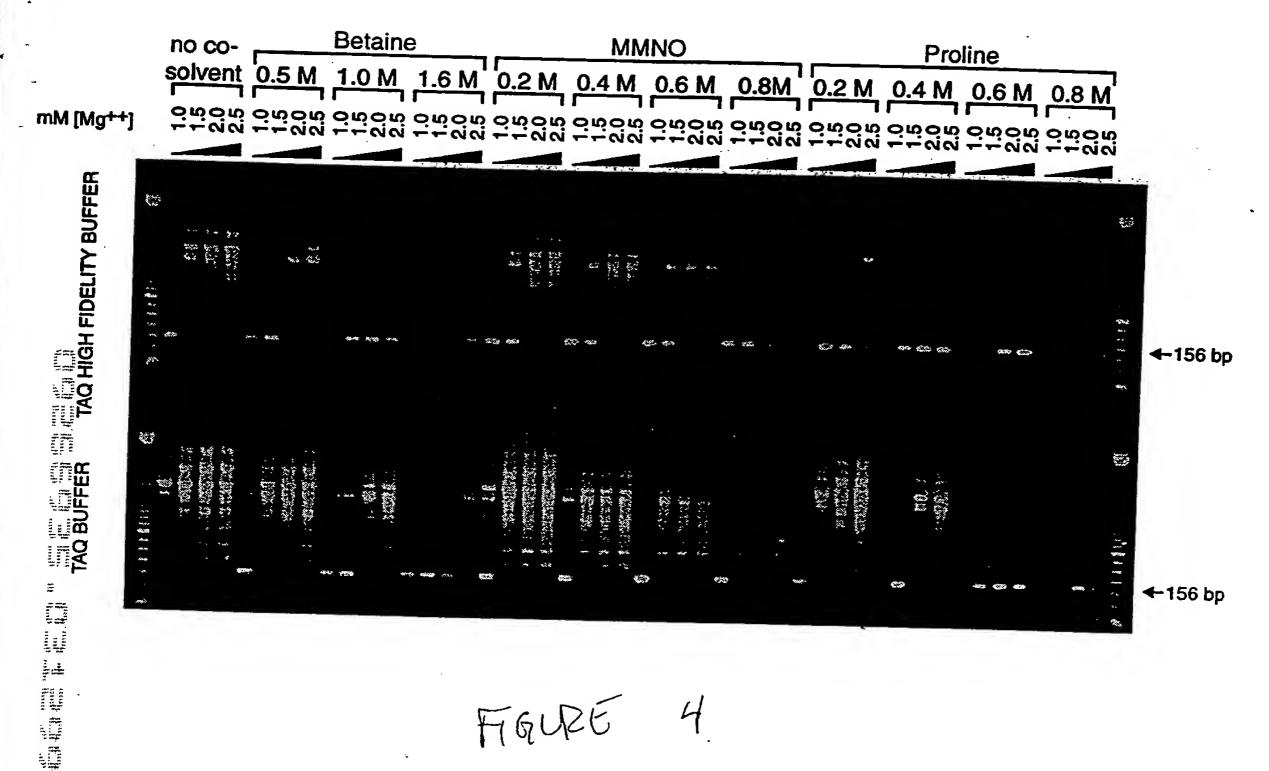
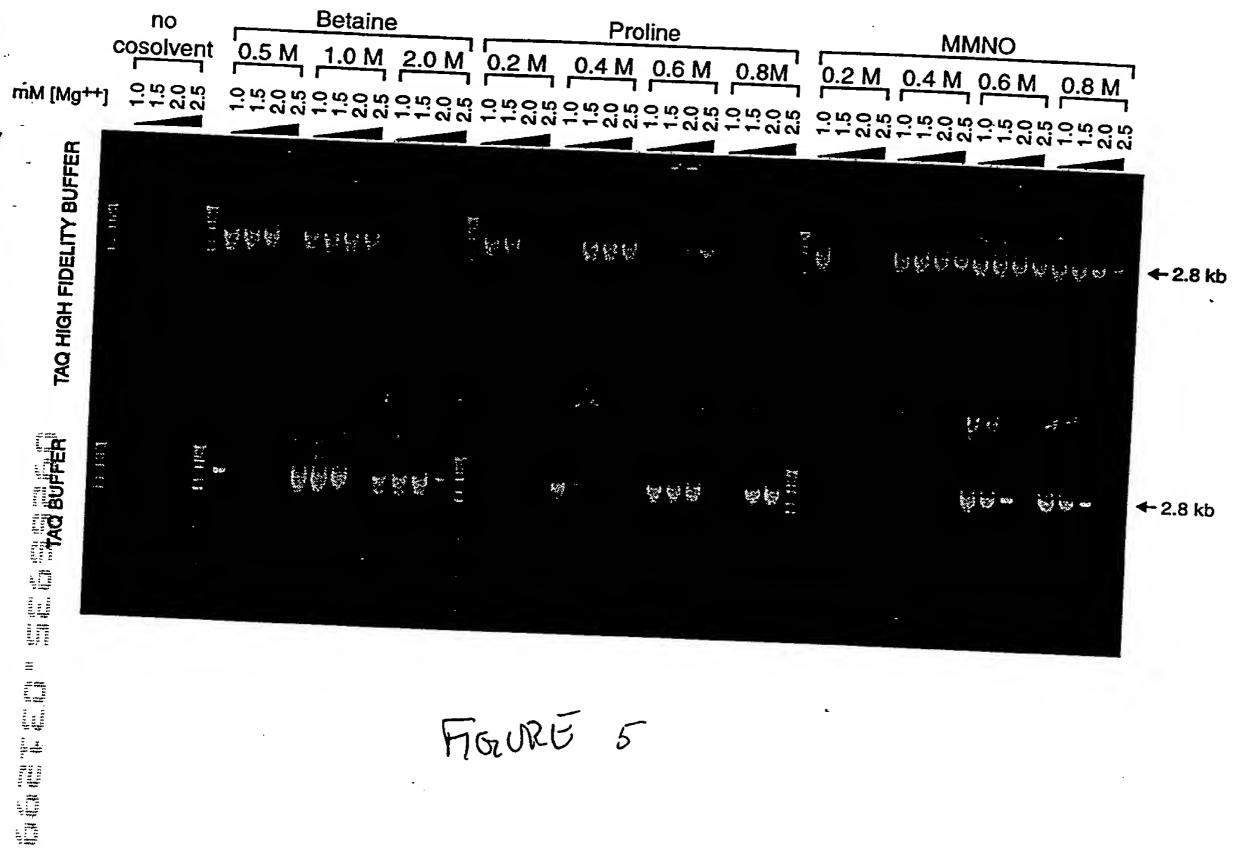


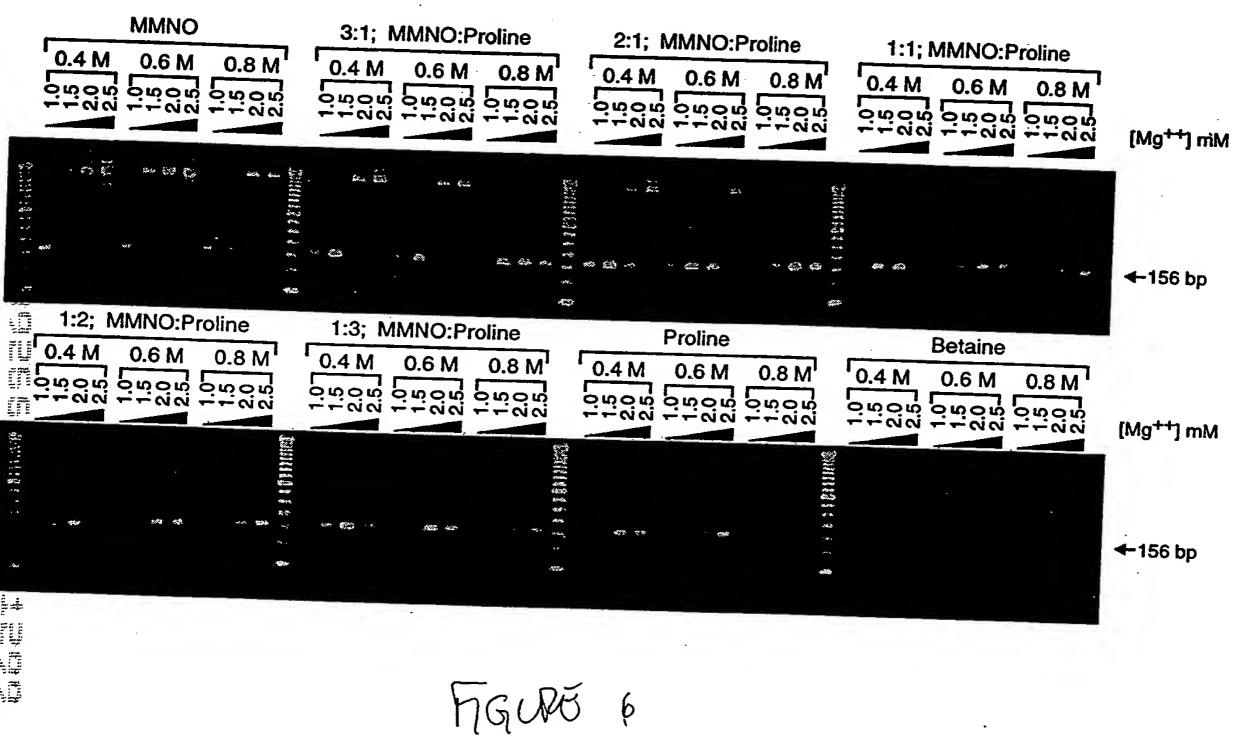
FIGURE 4

Amplification of Dra DNA pol I



FOURE 5

Amplification of p53 exon 10: **Effect of Cosolvent Mixtures**

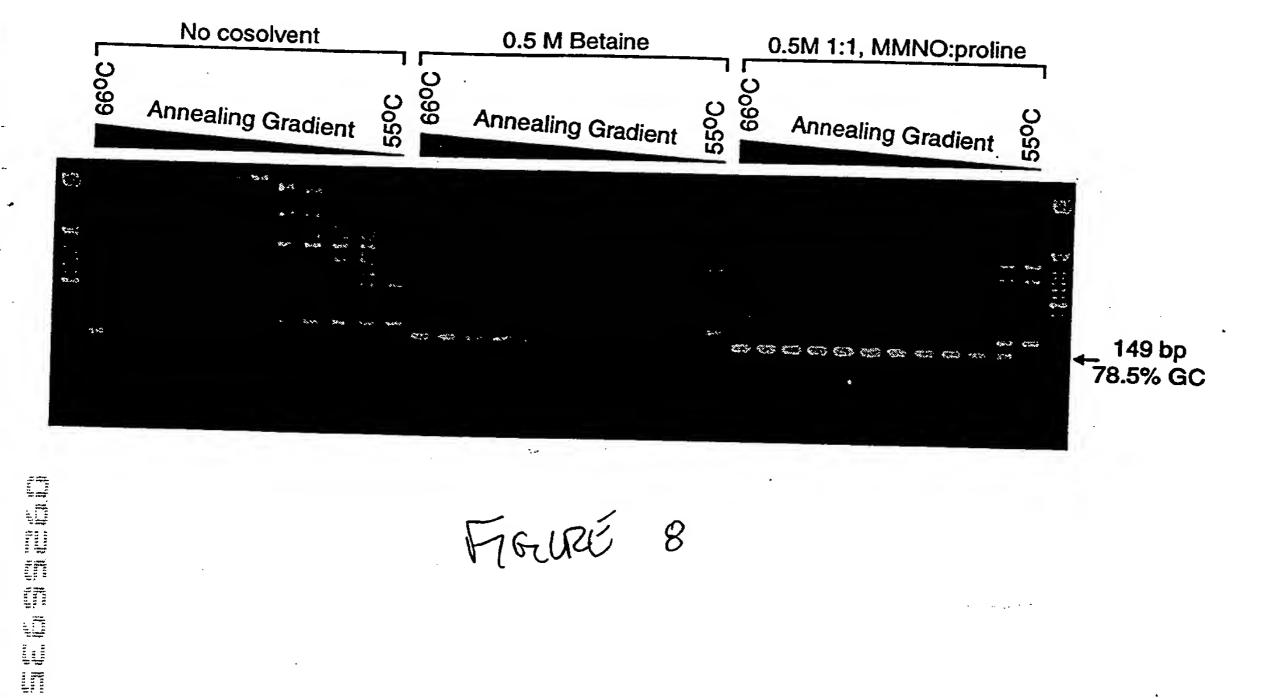


Amplification of *Dra* DNA pol I: Effect of Cosolvent Mixtures

2.1.0 2.0.0 2.0.0 2.0.0 3.0 3	3:1; MMNO:I 0.8 M 0.4 M 0.6 M 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.5	0.8 M 0.4 M	0.000 0.00 0.000 0.000	9.9	8 M 2016 2010 [Mg++] mM
1:2; MMNO:Prol 0.4 M 0.6 M (0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.4 M 0.6 M	0.8 M 0.4 M	Proline 0.6 M	Betaine 0.4 M	0,0
Tabbeabb (AAA EAAAA MAA			ngggaffa -	4 - 2.8 kb
The state of the s					

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Amplification of P32D9 Locus Effect of PCR Cosolvent on Annealing Optima



Comparison of MMNO:Proline Mixture and Betaine for Amplification of Fragile X locus from K562 Genomic DNA

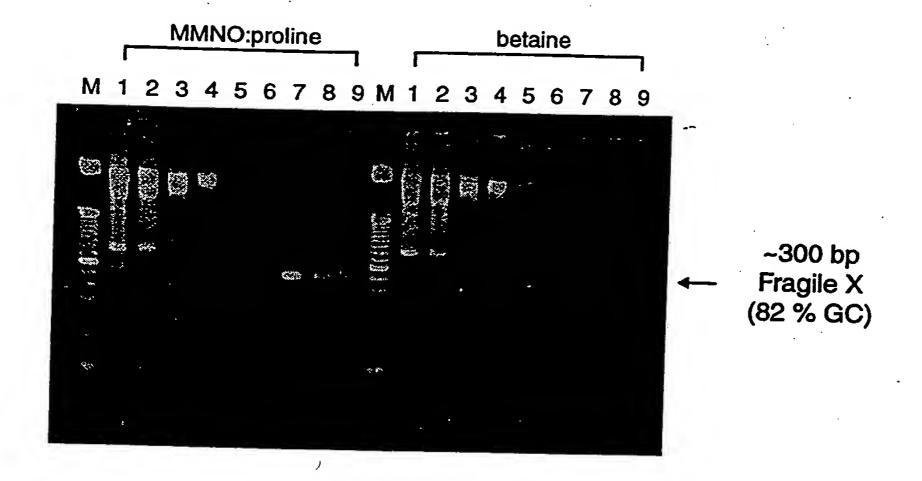
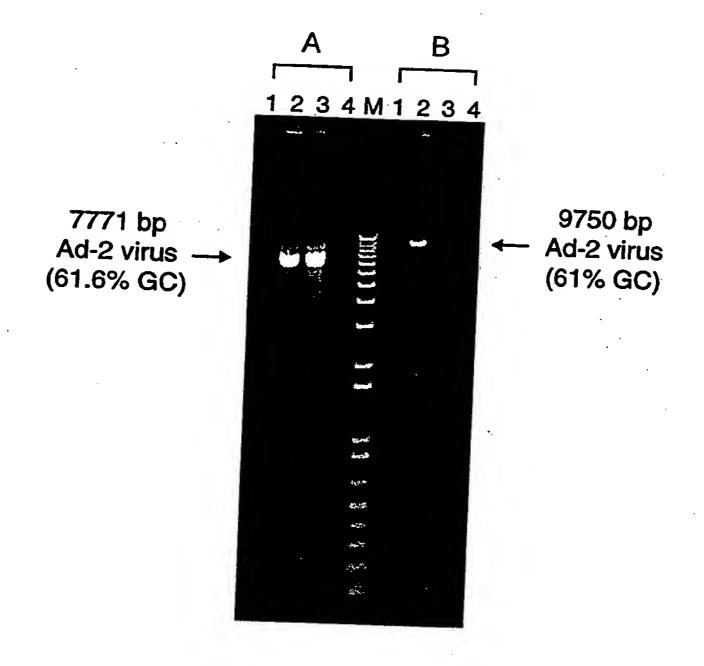


FIGURE 9

MMNO:Proline Mixture Facilitates Amplification of Long GC-Rich DNA Fragments



Faure 10

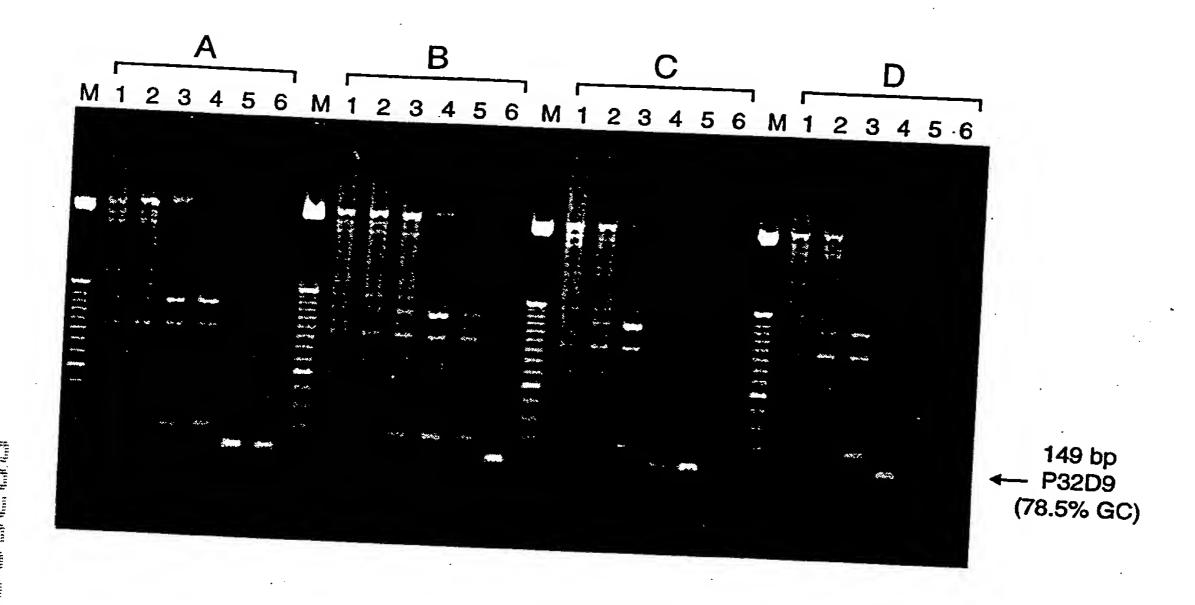


FIGURE 11.

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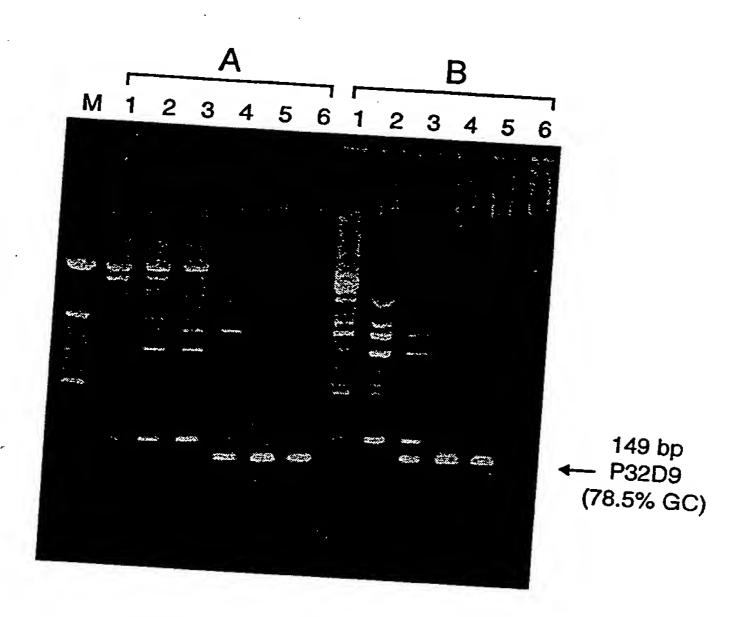


FIGURE 12



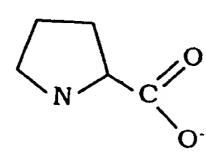


$$\begin{array}{c} CH_3 \\ \downarrow \\ H_3C - N - CH_2C \\ CH_3 \\ \end{array} \begin{array}{c} O \\ O \end{array}$$

Betaine monohydrate ([Carboxymethyl]trimethylammonium)

$$CH_3$$
 OH O
 $H_3C-N-CH_2CHCH_2C$
 CH_3 O

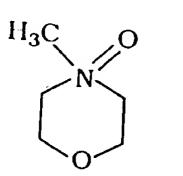
carnitine (β-Hydroxy-γ-[trimethylammonio]buterate)



proline

pipecolic acid (2-Piperidinecarboxylic acid)

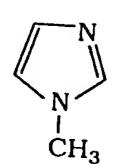
ectoine (THP[B]; [S]-2-Methyl-1,4,5,6-tetrahydro-pyrimidine-4-carboxylic acid)



MMNO (4-methylmorpholine-4-oxide)

$$\begin{array}{c}
CH_3\\ \downarrow_+\\ H_3C-N=0\\ \downarrow\\ CH_3
\end{array}$$

TMANO (trimethylamine N-oxide)



1-methylimidizole

$$H_3C$$
 N

4(5)-methylimidizole